

In the claims:

For the Examiner's convenience, all pending claims are presented below with changes shown.

- 1 1. (Currently Amended) A method, comprising:
 - 2 examining an MPEG stream;
 - 3 identifying packets in the MPEG stream that are associated with navigation points
 - 4 in a playback of the MPEG stream; and
 - 5 storing a first component of information ~~on~~ of the identified packets in an
 - 6 Extensible Markup Language (XML) file; and
 - 7 storing a second component of information ~~on~~ of the identified packets in a binary
 - 8 file.
- 1 2. (Original) The method of claim 1, wherein:
 - 2 examining an MPEG stream includes examining a transport stream.
- 1 3. (Original) The method of claim 1, wherein:
 - 2 the navigation database is in a separate file from the MPEG stream.
- 1 4. (Currently Amended) The method of claim 1, wherein:
 - 2 the XML file includes one ~~on~~ or more of chapter times, positions and labels, and
 - 3 the binary file includes presentation time and file offset of a packet
 - 4 corresponding to one or more video I-frames.

1 5. (Original) The method of claim 1, wherein:
2 identifying packets includes identifying packets associated with selected
3 presentation times in the playback.

1 6. (Original) The method of claim 1, wherein:
2 identifying packets includes identifying a packet containing a video I-frame with a
3 presentation time near one of the selected presentation times.

1 7. (Previously Presented) A method, comprising:
2 retrieving a first component of information on specified packets in an MPEG
3 stream from an Extensible Markup Language (XML) navigation file that is
4 separate from the MPEG stream;
5 retrieving a second component of information from a binary navigation file that is
6 separate from the MPEG stream; and
7 using the retrieved information to navigate the MPEG stream.

1 8. (Original) The method of claim 7, wherein using the retrieved information to
2 navigate includes:
3 identifying a point in the MPEG stream identified by the retrieved information;
4 processing the MPEG stream starting at the point; and
5 presenting at least a portion of the processed MPEG stream.

1 9. (Original) The method of claim 8, wherein:

2 presenting includes presenting video data.

1 10. (Original) The method of claim 8, wherein:

2 presenting includes presenting audio data.

1 11. (Currently Amended) The method of claim 8, wherein:

2 the XML file includes one or more of chapter times, positions and labels, and

3 the binary file includes presentation time and file offset of a packet

4 corresponding to one or more video I-frames.

1 12. (Currently Amended) A machine-readable medium having stored thereon

2 instructions, which when executed by at least one processor cause said at least one

3 processor to perform operations comprising:

4 examining an MPEG stream;

5 identifying packets in the MPEG stream that are associated with navigation points

6 in a playback of the MPEG stream; and

7 storing a first component of information on of the identified packets in an

8 Extensible Markup Language (XML) file; and

9 storing a second component of information on of the identified packets in a binary

10 file.

1 13. (Original) The medium of claim 12, wherein:

2 examining an MPEG stream includes parsing packets in the MPEG stream.

1 14. (Original) The medium of claim 12, wherein:
2 the navigation database is in a separate file from the MPEG stream.

1 15. (Original) The medium of claim 12, wherein:
2 the navigation database is not encoded in the MPEG stream.

1 16. (Original) The medium of claim 12, wherein:
2 identifying packets includes identifying packets associated with selected
3 presentation times in the playback.

1 17. (Original) The medium of claim 12, wherein:
2 identifying packets includes identifying a video I-frame with a presentation time
3 near one of the selected presentation times.

1 18. (Previously Presented) An apparatus, comprising:
2 a medium to provide an MPEG stream; and
3 an authoring tool coupled to the medium to examine the MPEG stream and to
4 produce a first component of navigation information stored in an Extensible
5 Markup Language (XML) navigation file and a second component of
6 information stored in a binary navigation file separate from the MPEG
7 stream.

1 19. (Original) The apparatus of claim 18, further comprising:

2 a storage device to store the navigation file.

1 20. (Original) The apparatus of claim 18, further comprising:
2 a transmission interface to transmit the navigation file.

1 21. (Original) The apparatus of claim 18, wherein:
2 the authoring tool includes a processor and a computer program.

1 22. (Original) The apparatus of claim 18, wherein:
2 the navigation file includes data identifying specific points in the MPEG stream.

1 23. (Original) The apparatus of claim 18, further comprising:
2 a playback component to navigate the MPEG stream based on contents of the
3 navigation file.

1 24. (Currently Amended) A system, comprising:
2 an a encoder to encode digitized video and audio data into packets in an MPEG
3 stream;
4 a navigation generator coupled to the encoder to:
5 examine the MPEG stream;
6 generate navigation information on packets associated with specific
7 presentation points in the MPEG stream; and

8 store a first component of the navigation information in a an Extensible
9 Markup Language (XML) navigation file and a second component
10 of information stored in a binary navigation file separate from a file
11 to store the MPEG stream; and
12 a decoder to read and decode portions of the MPEG stream identified by the
13 navigation information.

1 25. (Original) The system of claim 24, further comprising:
2 a player to present the decoded portions of the MPEG stream.

1 26. (Original) The system of claim 24, wherein:
2 the MPEG stream includes timing information for synchronized presentation of the
3 video and audio data.